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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/766,986	12/24/2003		Akihiro Mochizuki	350292001900	3442
7590 06/02/2005			EXAMINER		
Barry E. Bretschneider			WANG, GEORGE Y		
Morrison & Fo	erster LLP				
Suite 300				ART UNIT	PAPER NUMBER
1650 Tysons Boulevard			2871		
McLean, VA					

Please find below and/or attached an Office communication concerning this application or proceeding.

		AK	
	Application No.	Applicant(s)	_
	10/766,986	MOCHIZUKI ET AL.	
Office Action Summary	Examiner	Art Unit	_
	George Y. Wang	2871	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the	correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute,	36(a). In no event, however, may a reply be ti within the statutory minimum of thirty (30) da will apply and will expire SIX (6) MONTHS fron	mely filed ys will be considered timely. In the mailing date of this communication.	
Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).			
Status			
1) Responsive to communication(s) filed on			
2a) This action is FINAL . 2b) This	action is non-final.		
3) Since this application is in condition for allowar	nce except for formal matters, pr	osecution as to the merits is	
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.	
Disposition of Claims			
4) Claim(s) 1-31 is/are pending in the application.			
4a) Of the above claim(s) is/are withdraw	vn from consideration.		
5) Claim(s) is/are allowed.			
6)☐ Claim(s) is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) <u>1-31</u> are subject to restriction and/or e	election requirement.		
Application Papers			
9) The specification is objected to by the Examine	r.		
10) The drawing(s) filed on is/are: a) acce	epted or b) objected to by the	Examiner.	
Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correct	ion is required if the drawing(s) is ob	pjected to. See 37 CFR 1.121(d).	
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:1. ☐ Certified copies of the priority documents	n haya baan raasiyad		
2. ☐ Certified copies of the priority documents		ion No	
3. ☐ Copies of the certified copies of the prior			
application from the International Bureau		ed in this National Stage	
* See the attached detailed Office action for a list	. ,,	ed.	
Attachment(s)			
) ☐ Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail D	ate	
Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal F 6) Other:	Patent Application (PTO-152)	
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DETAILED ACTION

Election/Restrictions

- 1. This application contains claims directed to the following patentably distinct species of the claimed invention:
- (1) the specifics of the liquid crystal device comprising a molecular initial alignment in the LC material having a parallel or almost parallel direction with respect to the alignment treatment direction for the LC material and where the LC material shows almost no spontaneous polarization which is perpendicular to the pair of substrate under the absence of externally applied voltage comprising a first embodiment corresponding to claims 1-7 and 30;
- (2) the specifics of the liquid crystal device comprising a pair of polarizing films where one of the pair has a molecular initial alignment in the LC material having a parallel or almost parallel direction with respect to the alignment treatment direction for the LC material and the other of the pair has a polarizing absorption direction which is perpendicular to the alignment treatment direction for the LC material comprising a second embodiment corresponding to claims 8-14;
- (3) the specifics of the liquid crystal device where the current passing through the pair of substrate shows substantially no peak-shaped current, when a continuously and linearly changing voltage waveform is applied comprising a third embodiment corresponding to claims 15-28;

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(4) the specifics of the liquid crystal device where the LC material shows a bookshelf layer structure or quasi-bookshelf structure at the ferroelectric LC phase comprising a fourth embodiment corresponding to claim 29;

- (5) the specifics of the liquid crystal device where each of the pair of substrate has a molecular alignment film having a thickness of 3,000 angstroms or more, which has been subjected to buffing alignment treatment so as to provide a contact length of the buffing alignment treatment of 0.3 mm or more comprising a fifth embodiment corresponding to claim 31.
- 2. Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted.

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

3. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

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4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to George Y. Wang whose telephone number is 571-272-2304. The examiner can normally be reached on M-F, 8 am - 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert H. Kim can be reached on 571-272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

gw May 24, 2005

TARIFUR R. CHOWDHURY
PRIMARY EXAMINER

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